

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-11 (Canceled).

Claim 12. (Currently Amended) A server apparatus connected to a transmitting IP apparatus, the transmitting IP apparatus transmitting an e-mail to a receiving IP apparatus via the server apparatus, the server apparatus comprising:

a memory configured to store an IP address of the receiving IP apparatus in association with a telephone number of the receiving IP apparatus, the IP address of the receiving IP apparatus being distinct from an e-mail address;

a receiver configured to receive the e-mail from the transmitting IP apparatus, the e-mail including the telephone number of the receiving IP apparatus;

an analyzer configured to obtain, from the received e-mail, the telephone number of the receiving IP apparatus, and to obtain, from the memory, the IP address of the receiving IP apparatus associated with the telephone number of the receiving IP apparatus, the receiving IP apparatus of the IP address, being the same as the receiving IP apparatus of the telephone number; and

a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and to determine, based upon the terminal type, the IP address of the receiving IP apparatus; and

a transmitter configured to transmit the received e-mail to the receiving IP apparatus of the telephone number, based on the stored IP address of the receiving IP apparatus.

Claim 13. (Previously Presented) The server apparatus according to claim 12, wherein the transmitter transmits an error message to the transmitting IP apparatus when the memory does not store the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus.

Claim 14. (Previously Presented) The server apparatus according to claim 12 further being connected to a H.323 gatekeeper, the H.323 gatekeeper storing the IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus, the analyzer being configured to determine whether the memory stores the IP address of the receiving IP apparatus, and when it is determined that the memory does not store the IP address of the receiving IP apparatus, the transmitter accesses the H.323 gatekeeper to obtain the IP address of the receiving IP apparatus.

Claim 15. (Previously Presented) The server apparatus according to claim 12, wherein a header of the e-mail from the transmitting IP apparatus includes the telephone number of the receiving IP apparatus.

Claim 16. (Currently Amended) A communication system comprising:

a transmitting IP apparatus; and

a server apparatus,

the transmitting IP apparatus comprising:

a panel configured to input a telephone number of a receiving IP apparatus; and

a transmitter configured to transmit, to the server apparatus, an e-mail including the input telephone number of the receiving IP apparatus,

the server apparatus comprising:

a memory configured to store an IP address of the receiving IP apparatus in association with the telephone number of the receiving IP apparatus, the IP address of the receiving IP apparatus being distinct from an e-mail address;

an analyzer configured to receive the e-mail from the transmitting IP apparatus, to obtain, from the received e-mail, the telephone number of the receiving IP apparatus, and to obtain, from the memory, the IP address of the receiving IP apparatus associated with the telephone number of the receiving IP apparatus, the receiving IP apparatus of the IP address is related being the same as the receiving IP apparatus of the telephone number is related; and

a converter configured to determine, based upon the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus, and to determine, based upon the terminal type, the IP address of the receiving IP apparatus; and

a transmitter configured to transmit the received e-mail to the receiving IP apparatus of the telephone number, based on the stored IP address of the receiving IP apparatus.

Claim 17. (Currently Amended) A method for controlling an e-mail transmission using a server apparatus, the method comprising:

storing, at the server apparatus, an IP address of a receiving IP apparatus in association with a telephone number of the receiving IP apparatus, the IP address of the receiving IP apparatus being distinct from an e-mail address;

receiving, from a transmitting IP apparatus, an e-mail, the e-mail including the telephone number of the receiving IP apparatus;

obtaining, from the received e-mail, the telephone number of the receiving IP apparatus;

obtaining, the IP address of the receiving IP apparatus stored in association with the telephone number of the receiving IP apparatus, the receiving IP apparatus of the stored IP address is related being the same as the receiving IP apparatus of the stored telephone number;
and

determining, based on the telephone number of the receiving IP apparatus, a terminal type and a domain of the receiving IP apparatus and determining, based upon the terminal type, the IP address of the receiving IP apparatus; and

transmitting the received e-mail from the server apparatus of the telephone number, based on the stored IP address of the receiving IP apparatus.

Claim 18. (Previously Presented) The server apparatus according to claim 12, wherein the transmitter transmits the received e-mail to the receiving IP apparatus, based on the IP address of the receiving IP apparatus, in accordance with a SMTP protocol.

Claim 19-21 (cancelled)

Claim 22. (Previously Presented) The server apparatus according to claim 12, the analyzer being further configured to determine, from a first portion of a header of the received e-mail, a telephone number of a sender of the e-mail, and to determine, from a second portion of the header of the received e-mail, a telephone number of a destination of the received e-mail, the destination of the received e-mail comprising the receiving IP apparatus.

Claim 23. (Previously Presented) The communication system according to claim 16, the analyzer of the server apparatus being further configured to determine, from a first portion of a header of the received e-mail, a telephone number of a sender of the e-mail, and to determine, from a second portion of the header of the received e-mail, a telephone number of a destination of the received e-mail, the destination of the received e-mail comprising the receiving IP apparatus.

Claim 24. (Previously Presented) The method for controlling an e-mail transmission according to claim 17, further comprising determining, from a first portion of a header of the received e-mail, a telephone number of a sender of the e-mail, and to determine, from a second portion of the header of the received e-mail, a telephone number of a destination of the received e-mail, the destination of the received e-mail comprising the receiving IP apparatus.

Claim 25. (Previously Presented) The server apparatus according to claim 12, the telephone number of the receiving IP apparatus being utilized to obtain the IP address of the receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus.

Claim 26. (Previously Presented) The communication system according to claim 16, the telephone number of the receiving IP apparatus being utilized to obtain the IP address of the receiving IP apparatus, and the obtained IP address of the receiving IP apparatus being utilized to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus.

Claim 27. (Previously Presented) The method for controlling an e-mail transmission according to claim 17, further comprising utilizing the telephone number of the receiving IP apparatus to obtain the IP address of the receiving IP apparatus and utilizing the obtained IP address of the receiving IP apparatus to transmit, without utilizing the telephone number of the receiving IP apparatus, the e-mail to the receiving IP apparatus.